

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/004778

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G11B7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G11B7/00-7/013, 7/24, 7/28-7/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho | 1922-1996 | Toroku Jitsuyo Shinan Koho | 1994-2004 |
| Kokai Jitsuyo Shinan Koho | 1971-2004 | Jitsuyo Shinan Toroku Koho | 1996-2004 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | JP 10-302309 A (Sony Corp.), 13 November, 1998 (13.11.98), Full text; Fig. 5 & US 6063468 A1 | 1-15 |
| Y | JP 2001-076383 A (Sharp Corp.), 23 March, 2001 (23.03.01), Par. No. [0041]; Fig. 1 & EP 1067523 A2 | 1-15 |
| Y | JP 5-151591 A (International Business Machines Corp.), 18 June, 1993 (18.06.93), Full text; Figs. 4 to 7 & CA 2066152 A1 & US 5202875 A1 | 3-9 |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search
10 May, 2004 (10.05.04)

Date of mailing of the international search report
25 May, 2004 (25.05.04)

Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | JP 2002-109784 A (Matsushita Electric Industrial Co., Ltd.), 12 April, 2002 (12.04.02), Par. No. [0030] (Family: none) | 4, 5, 8, 9 |
| Y | WO 2000/079525 A (Matsushita Electric Industrial Co., Ltd.), 28 December, 2000 (28.12.00), Full text; Fig. 8 & AU 0079525 A1 & CN 1359517 T | 6 |